

AMENDMENTS TO THE CLAIMS

Please amend claims 1 – 30 as follows. Please add claims 45 – 49. Please cancel claims 31 - 44.

1. (Currently Amended) A computer-readable storage medium carrying one or more sequences of instructions for synchronizing email between multiple computers, wherein execution of the one or more sequences of instructions by one or more processors causes the one or more processors to perform a method comprising the steps of:

reading a first set of messages from a portable ~~computer~~ electronic device into a first personal computer;

identifying an outgoing message in the first set of messages to be delivered from the first personal computer to a mail server;

identifying on the first personal computer a second set of messages previously retrieved from a server, the second set of messages having, at least once prior to a previous event, a first message that matched a corresponding message in the first set of messages;

comparing the first set of messages with the second set of messages to identify if at least the corresponding message in the first set of messages that matched the first message in the second set of messages was deleted or modified after the previous event; and

automatically signaling the outgoing message to the mail server.
2. (Currently Amended) The computer-readable storage medium of claim 1, wherein the second set of messages include flags to identify whether each message in the

second set of messages was added to or deleted from the second set of messages since a previous event.

3. (Currently Amended) The computer-readable storage medium of claim 1, the ~~method~~steps further comprising identifying if any messages in the second set of messages were modified on the first personal computer after the previous event, then replacing select messages in the first set of messages with the modified messages.
4. (Currently Amended) The computer-readable storage medium of claim 1, the ~~method~~steps further comprising causing the first message in the second set of messages to be deleted from the second set of messages if the corresponding message has been deleted from the first set of messages since the previous event.
5. (Currently Amended) The computer-readable storage medium of claim 1, the ~~method~~steps further comprising causing the first message in the second set of messages to be modified if the corresponding message has been modified on the portable ~~computer~~electronic device since the previous event.
6. (Currently Amended) The computer-readable storage medium of claim 1, the ~~method~~steps further comprising comparing the first set of messages to the second set of messages to identify if the second set of messages includes at least a first new message added to the second set of messages after the previous event.

7. (Currently Amended) The computer-readable storage medium of claim 6, the ~~method~~steps further comprising adding the first new message to the first set of messages, then signaling the first set of messages to the portable ~~computer~~electronic device.
8. (Currently Amended) The computer-readable storage medium of claim 1, the ~~method~~steps further comprising signaling the first set of messages to the portable ~~computer~~electronic device after comparing the first set of messages and the second set of messages.
9. (Currently Amended) A computer-readable storage medium carrying one or more sequences of instructions for synchronizing email on two computer systems, wherein execution of the one or more sequences of instructions by one or more processors causes the one or more processors to perform a method comprising the steps of:

reading a first set of email messages from a portable ~~computer~~electronic device;

reading a second set of email messages from an email server;

comparing, on a second computer, said second set of email messages to said first set of email messages to determine new and deleted messages in said

second set of email messages since a previous synchronization;

adding new messages from said second set of email messages to said first set of

email messages;

deleting messages in said first set of email messages that were deleted from said

second set of email messages;

identifying an outgoing message in the first set of email messages; and
sending the outgoing message to an intended recipient from an email application
on the second computer.

10. (Currently Amended) The computer-readable storage medium of claim 9, wherein said first set of email messages from said portable ~~computer~~electronic device include flags that determine if said email messages are new, modified, or deleted since the previous synchronization.
11. (Currently Amended) The computer-readable storage medium of claim 10, the ~~method~~steps further comprising the steps of:
adding new messages from said first set of email messages to said second set of email messages; and
deleting messages in said second set of email messages that were deleted from said first set of email messages.
12. (Currently Amended) The computer-readable storage medium of claim 9, the ~~method~~steps further comprising the step of:
comparing said first set of email messages from said portable ~~computer~~electronic device with a third set of email messages from the previous synchronization to determine new, modified, and deleted email messages in said first set of email messages since the previous synchronization.

13. (Currently Amended) The computer-readable storage medium of claim 12, the ~~method~~steps further comprising the steps of:
- adding new messages from said first set of email messages to said second set of email messages; and
- deleting messages in said second set of email messages that were deleted from said first set of email messages.
14. (Currently Amended) A computer-readable storage medium carrying one or more sequences of instructions for exchanging data between a portable ~~computer~~electronic device and a second computer, wherein execution of the one or more sequences of instructions by one or more processors causes the one or more processors to perform a method comprising the steps of:
- receiving, on the second computer, a first signal from the portable ~~computer~~electronic device to exchange data with the portable ~~computer~~electronic device;
- in response to the first signal, synchronizing a first set of messages on the portable ~~computer~~electronic device with a second set of messages on the second computer;
- receiving, on the second computer, a second signal from the portable ~~computer~~electronic device to send data from the portable ~~computer~~electronic device through the second computer to an intended recipient;
- in response to the second signal, receiving the data from the portable ~~computer~~electronic device; and

sending the data to the intended recipient; and

wherein the step of receiving the data from the portable ~~computer~~electronic device is performed concurrently with the step of synchronizing a first set of messages on the portable ~~computer~~electronic device with a second set of messages on the second computer.

15. (Currently Amended) The computer-readable storage medium of Claim 14, wherein the step of synchronizing a first set of messages on the portable ~~computer~~electronic device includes synchronizing the first set of messages over a first communication connection between the portable ~~computer~~electronic device and the second computer.
16. (Currently Amended) The computer-readable storage medium of Claim 15, wherein the step of receiving the data from the portable ~~computer~~electronic device includes receiving the data over a second communication connection.
17. (Currently Amended) The computer-readable storage medium of claim 14, wherein the step of sending the data to the intended recipient includes sending an email message composed on the portable ~~computer~~electronic device.
18. (Currently Amended) The computer-readable storage medium of Claim 17, wherein the step of sending an email message includes using an email program that operates under a Messaging Application Programming Interface (MAPI) protocol.

19. (Currently Amended) The computer-readable storage medium of Claim 14, wherein the step of synchronizing a first set of messages on the portable ~~computer~~electronic device with a second set of messages on the second computer includes detecting that a user deleted a message that exists in one of the first set of messages or the second set of messages, and then deleting that message from the one of the first set of messages or the second set of messages.
20. (Currently Amended) The computer-readable storage medium of Claim 14, wherein the step of synchronizing a first set of messages on the portable ~~computer~~electronic device with a second set of messages on the second computer includes detecting that a user altered a message from one of the first set of messages or the second set of messages, and then altering that message on the other one of the first set of messages or the second set of messages.
21. (Currently Amended) The computer-readable storage medium of Claim 14, wherein the step of synchronizing a first set of messages on the portable ~~computer~~electronic device with a second set of messages on the second computer includes determining that a new message exists on one of the portable ~~computer~~electronic device or the second computer, and adding that message to the other of the portable ~~computer~~electronic device or second computer.
22. (Currently Amended) The computer-readable storage medium of Claim 14, wherein the step of receiving the data from the portable ~~computer~~electronic device includes receiving at least a part of an email message for the intended recipient,

and wherein the method further comprises inspecting the email message before sending the email message to the intended recipient.

23. (Currently Amended) A computer-readable storage medium carrying one or more sequences of instructions for exchanging data between a portable ~~computer~~electronic device and a second computer, wherein execution of the one or more sequences of instructions by one or more processors causes the one or more processors to perform a method comprising the steps of:
- receiving, on the second computer, a first signal from the portable ~~computer~~electronic device to exchange data with the portable ~~computer~~electronic device;
- in response to the first signal, synchronizing a first set of messages on the portable ~~computer~~electronic device with a second set of messages on the second computer;
- receiving, on the second computer, a second signal from the portable ~~computer~~electronic device to send data from the portable ~~computer~~electronic device through the second computer to an intended recipient;
- in response to the second signal, receiving the data from the portable ~~computer~~electronic device; and
- sending the data to the intended recipient;
- wherein the step of synchronizing a first set of messages on the portable ~~computer~~electronic device includes synchronizing the first set of messages

over a first communication connection between the portable
~~computer~~electronic device and the second computer;

wherein the step of receiving the data from the portable ~~computer~~electronic
device includes receiving the data over a second communication
connection; and

wherein the first communication connection is different than the second
communication connection.

24. (Currently Amended) The computer-readable storage medium of claim 23,
wherein the step of receiving the data from the portable ~~computer~~electronic device
is performed concurrently with the step of synchronizing a first set of messages on
the portable ~~computer~~electronic device with a second set of messages on the
second computer.
25. (Currently Amended) The computer-readable storage medium of claim 23,
wherein the step of sending the data to the intended recipient includes sending an
email message composed on the portable ~~computer~~electronic device.
26. (Currently Amended) The computer-readable storage medium of Claim 23,
wherein the step of sending an email message includes using an email program
that operates under a Messaging Application Programming Interface (MAPI)
protocol.

27. (Currently Amended) The computer-readable storage medium of Claim 23, wherein the step of synchronizing a first set of messages on the portable ~~computer~~electronic device with a second set of messages on the second computer includes detecting that a user deleted a message that exists in one of the first set of messages or the second set of messages, and then deleting that message from the one of the first set of messages or the second set of messages.
28. (Currently Amended) The computer-readable storage medium of Claim 23, wherein the step of synchronizing a first set of messages on the portable ~~computer~~electronic device with a second set of messages on the second computer includes detecting that a user altered a message from one of the first set of messages or the second set of messages, and then altering that message on the other one of the first set of messages or the second set of messages.
29. (Currently Amended) The computer-readable storage medium of Claim 23, wherein the step of synchronizing a first set of messages on the portable ~~computer~~electronic device with a second set of messages on the second computer includes determining that a new message exists on one of the portable ~~computer~~electronic device or the second computer, and adding that message to the other of the portable ~~computer~~electronic device or second computer.
30. (Currently Amended) The computer-readable storage medium of Claim 23, wherein the step of receiving the data from the portable ~~computer~~electronic device includes receiving at least a part of an email message for the intended recipient,

and wherein the method further comprises inspecting the email message before sending the email message to the intended recipient.

31 - 44. (Cancelled)

45. (New) A computer-readable storage medium carrying one or more sequences of instructions for synchronizing email between multiple electronic devices, wherein execution of the one or more sequences of instructions by one or more processors causes the one or more processors to perform a method comprising the steps of:
- a certain computer identifying from among a first set of messages on a portable electronic device an outgoing message addressed to a recipient;
 - said certain computer identifying a second set of messages on a mail server, the second set of messages having, at least once prior to a previous event, a first message that matched a corresponding message in the first set of messages, said mail server residing on computer different than said certain computer and said portable electronic device;
 - said certain computer automatically signaling the outgoing message to the mail server to cause said mail server to deliver said outgoing mail message to said recipient;
 - said certain computer making a comparison of the first set of messages with the second set of messages;
 - based on said comparison, said certain computer determining that the corresponding message was deleted or modified after the previous event;
 - and

in response to determining that the corresponding message was deleted or modified after the previous event, said certain computer sending a message to said mail server to cause said mail server to delete or modify said first message.

46. (New) The computer-readable storage medium of claim 45, wherein the second set of messages include flags to identify whether each message in the second set of messages was added to or deleted from the second set of messages since the previous event.
47. (New) The computer-readable storage medium of claim 45, the steps further comprising identifying if any messages in the second set of messages were modified on the certain computer after the previous event, then replacing corresponding messages in the first set of messages with the modified messages.
48. (New) The computer-readable storage medium of claim 45, the steps further comprising comparing the first set of messages to the second set of messages to identify if the second set of messages includes at least a first new message added to the second set of messages after the previous event.
49. (New) The computer-readable storage medium of claim 48, the steps further comprising adding the first new message to the first set of messages.